

Section 2. Forms PTO/SB/08A and 08B (formerly Form PTO-1449)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Bahramian et al. Attorney Docket: 2498/101 (formerly 2281/102)
 Serial No: 09/472,558 Art Group Unit: 1632
 Date Filed: December 27, 1999 Examiner Name: Paras, Jr.
 Invention: MUTING GENE ACTIVITY USING A TRANSGENIC NUCLEIC ACID

**LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE STATEMENT****United States Patents**

Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
<u>PP</u>	AA	5,908,960	06/01/99	Newlander	564/177

International Patents

Examiner Initials	Reference Number	Document Number	Issue Date	Inventor	Class/Subclass
<u>PP</u>	AB	WO 97/01560	16.01.97	Ohlmeyer	C07D 487/04

Other Documents

Examiner Initials	Reference Number	Author	Title of Article, Title of Item, Date, Page(s), Volume-Issue Number(s)
<u>PP</u>	AC	Soberon et al.	<i>Construction and Characterization of New Cloning Vehicles IV. Deletion Derivatives of pBR322 and pBR325</i> Gene 9:287-305 (1980)
<u>PP</u>	AD	<i>Carlton</i> Carlton et al.	<i>Chapter 30 - Product Recovery</i> Manual of Industrial Microbiology and Biotechnology 436-445 (1986) Ed. A. Dimain

PP AE Chomczynski et al. *Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction* Analytical Biochemistry 162:156-159 (1987)

PP AF Schnieke et al. *Introduction of the human pro α 1(I) collagen gene into pro α 1(I)-deficient Mov-13 mouse cells leads to formation of functional mouse-human hybrid type I collagen* Proc. Nat. Acad. Sci. USA 84:764-768 (February 1987)

PP AG Sitrin et al. *Developments in Industrial Microbiology* Journal of Industrial Microbiology 27/1:65-75 (1987)

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PP AI Bornstein et al. *The First Intron of the α 1(I) Collagen Gene Contains Several Transcriptional Regulatory Elements* The Journal of Biological Chemistry 263/4:1603-1606 (February 5, 1988)

PP AJ Brenner et al. *Analysis of the collagen α 1(I) promoter* Nucleic Acids Research 17/15:6055-6064 (July 5, 1989)

PP AK Lichtler et al. *Isolation and Characterization of the Rat α 1(I) Collagen Promoter* The Journal of Biological Chemistry 264/6:3072-3077 (February 25, 1989)

PP AL Rippe et al. *Regulatory Elements in the 5'-Flanking Region and the First Intron Contribute to Transcriptional Control of the Mouse Alpha 1 Type I Collagen Gene* Molecular and Cellular Biology 9/5:2224-2227 (May 1989)

PP AM Stacey et al. *Perinatal lethal osteogenesis imperfecta in transgenic mice bearing an engineered mutant pro- α 1(I) collagen gene* Nature 332:131-136 (March 10, 1988)

PP AN Currie *Regulation of kappa immunoglobulin gene transcription in vitro* Nucleic Acids Research 18/10:2987-2992 (April 9, 1990)

PP AO Hoemann et al. *Use of Revertant Cell Lines to Identify Targets of v-fos Transformation-specific Alterations in Gene Expression* Cell Growth & Differentiation 1:581-590 (December 1990)

PP AP LeFranc et al. *Regulation of the immunoglobulin gene transcription* Biochimie 72:7-17 (1990)

PP AQ Barker et al. *Retrovirus-Induced Insertional Mutagenesis: Mechanism of Collagen Mutation in Mov13 Mice* Molecular and Cellular Biology 11/10:5154-5163 (October 1991)

PF AR Chan et al. *Retrovirus-Induced Interference with Collagen I Gene Expression in Mov13 Fibroblasts is Maintained in the Absence of DNA Methylation* Molecular and Cellular Biology 11/1:47-54 (January 1991)

PS AS Dhawan et al. *Cell Adhesion Regulates Pro- α 1(I) Collagen mRNA Stability and Transcription in Mouse Fibroblasts* The Journal of Biological Chemistry 266/13:8470-8475 (May 5, 1991)

PF AT Ritzenthaler et al. *Transforming-growth-factor- β activation elements in the distal promoter regions of the rat α 1 type I collagen gene* Biochemistry Journal 280:157-162 (June 11, 1991)

PF AU Staudt et al. *Immunoglobulin Gene Transcription* Annual Review of Immunology 9:373-398 (1991)

PP AV Wang et al. *Positive and Negative Regulation of Immunoglobulin Gene Expression by a Novel B-Cell-Specific Enhancer Element* Molecular and Cellular Biology 11/1:75-83 (January 1991)

P1 AW Kho et al. *Fte-1, a v-fos transformation effector gene, encodes the mammalian homologue of a yeast gene involved in protein import into mitochondria*
Proc. Nat. Acad. Sci. USA 89:2200-2204
(March 1992)

P2 AX Slack et al. *Regulation of Collagen I Gene Expression by ras*
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P3 AY Capecchi *Targeted Gene Replacement*
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PCR Methods and Applications 4:145-153 (1994)

P5 BA Ingelbrecht et al. *Posttranscriptional silencing of reporter transgenes in tobacco correlates with DNA methylation*
Proc. Nat. Acad. Sci. USA 91:10502-10506 (October 1994)

P6 BB Van Amsterdam et al. *Elevated expression of the junB proto-oncogene is essential for v-fos induced transformation of Rat-1 cells*
Oncogene 9:2969-2976 (June 15, 1994)

P7 BC Farrell et al. *Naturally occurring antisense transcripts are present in chick embryo chondrocytes simultaneously with the down-regulation of the alpha 1(I) collagen gene*
The Journal of Biological Chemistry 270/7: 3400-3408 (February 17, 1995)

P8 BD Jorgensen *Cosuppression, Flower Color Patterns, and Metastable Gene Expression States*
Science 268:686-691 (May 5, 1995)

PP BE Cogoni et al. *Transgene silencing of the al-1 gene in vegetative cells of Neurospora is mediated by a cytoplasmic effector and does not depend on DNA-DNA interactions or DNA methylation* EMBO Journal 15/12:3153-3163 (1996)

PF BF Magis et al. *An upstream activator of transcription coordinately increases the level and epigenetic stability of gene expression* Proc. Nat. Acad. Sci. USA 93:13914-13919 (November 1996)

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PP BK Metzlaff et al. *RNA-Mediated RNA Degradation and Chalcone Synthase A Silencing in Petunia* Cell 88:845-854 (March 21, 1997)

PP BL Pal-Bhadra. et al. *Cosuppression in Drosophila: Gene Silencing of Alcohol dehydrogenase by white-Adh Transgenes is Polycomb Dependent* Cell 90:479-490 (August 8, 1997)

PP BM Palla et al. *Enhancer blocking activity located near the 3' end of the sea urchin early H2A histone gene* Proc. Nat. Acad. Sci. USA 94:2272-2277 (March 1997)

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*Binding of upstream stimulatory factor to
an E-box in the 3'-flanking region
stimulates $\alpha 1(I)$ collagen gene transcription*
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272/3:1753-1760 (January 17, 1997)

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*Down-regulation of Tumor Necrosis Factor
 α Expression by Activating Transcription
Factor 2 Increases UVC-induced Apoptosis
of Late-stage Melanoma Cells*
The Journal of Biological Chemistry
274/20:14079-14089 (May 14, 1999)

Examiner Signature: Pete Paragi

Date Considered: 3/11/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if *not* in conformance and not considered. Include copy of this form with next communication to applicant.

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